MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

April 1949

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

APRIL 1949

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.9	61.1	62.1	61.4	17.7	10.2	14.9	13.5	13.2	13.9
2	3.1	3.4	4.1	3.4	17.8	10.2	15.2	16.6	13.2	15.0
3	4.5	4.0	3.8	4.1	19.3	9.4	16.6	18.2	12.3	15.7
4	2.4	1.7	58.3	0.8	17.9	9.4	11.1	16.8	12.2	13.4
5	0.8	59.8	9.9	0.2	18.0	7.7	14.9	17.2	11.6	14.6
6	59.2	59.6	61.3	60.0	18.0	7.7	9.4	14.4	9.9	11.2
7	62.9	63.9	6.0	4.3	18.3	10.4	14.4	17.4	11.7	14.5
8	6.8	3.9	4.3	5.0	19.7	11.8	16.6	18.8	13.5	16.3
9	5.4	3.1	3.1	3.9	21.0	13.5	17.2	18.3	16.1	17.2
10	1.3	1.0	1.0	1.1	23.3	13.7	18.0	21.1	16.1	18.7
11	60.4	59.7	59.5	59.9	20.8	8.9	17.8	17.7	14.6	16.7
12	57.7	6.2	8.2	7.4	15.9	7.4	10.9	12.1	10.1	11.0
13	8.5	9.4	60.2	9.4	16.9	8.9	11.7	12.2	12.7	12.2
14	61.5	61.5	2.6	61.9	19.4	10.7	16.7	18.5	12.7	16.0
15	0.2	59.9	0.7	0.3	17.1	11.2	12.2	16.4	13.6	14.1
16	63.7	63.6	63.7	63.7	19.7	11.6	16.7	18.4	13.9	16.3
17	2.5	1.8	1.1	1.8	20.5	12.9	17.2	19.4	14.6	17.1
18	0.7	58.6	0.4	59.9	18.7	11.3	15.6	16.3	14.3	15.4
19	58.0	6.1	55.2	6.4	18.4	9.8	15.6	11.6	11.6	12.9
20	7.6	8.4	8.7	8.2	17.7	11.1	13.3	16.1	12.6	14.0
21	64.4	64.8	65.9	65.0	20.7	12.0	17.7	19.9	13.8	17.1
22	6.1	5.8	5.8	5.9	20.5	12.3	17.4	19.3	14.4	17.0
23	4.8	4.3	4.2	4.4	21.2	14.1	18.3	20.4	15.7	18.1
24	1.7	0.1	0.7	0.8	21.1	15.3	18.8	20.2	16.6	18.5
25	0.1	0.2	1.8	0.7	21.1	14.9	20.2	19.9	17.1	19.1
26	63.0	63.0	63.4	63.1	23.0	15.4	18.8	21.9	16.4	19.0
27	6.1	3.2	2.6	4.0	22.6	16.3	19.4	21.6	17.8	19.6
28	1.8	0.6	59.7	0.7	22.4	16.3	20.2	21.1	17.2	19.5
29	58.7	58.1	8.2	58.3	22.6	16.0	18.8	22.1	17.5	19.5
30	8.6	8.0	8.5	8.4	22.4	16.1	18.9	21.1	20.8	20.3
31										
	61.78	61.16	61.50	61.48	19.79	11.88	16.15	17.95	14.26	16.13

Barometer, range for month 766.1 — 755.2 mm.

,, 71-yr. average for month 760.03 mm.

Thermometer, range for month 23.3°C — 7.4°C

,, 71-yr. average for month 19.10°C.

Rain, total for month 132.36 mm.

,, 71-yrs. average for month 55.16 mm.

,, Tolal, Sept. 1st. to end of month 1200.15 mm.

,, 71-yr. average, Sept. 1st. to end of month 870.00 mm.

APRIL 1949

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.6	14.8	12.4	13.6	79	96	81	85	3.7	386.0	14.23
2	12.8	14.4	10.5	12.6	74	73	70	72	4.2	513.0	3.81
3	12.5	15.8	14.2	14.2	68	74	100	81	5.0	325.0	3.30
4	12.8	13.4	11.4	12.5	97	71	80	83	8.4	576.0	13.98
5	12.5	11.6	10.1	11.4	72	58	73	68	6.8	322.0	
6	10.5	12.5	10.5	11.2	92	76	86	85	4.9	393.0	9.91
7	11.5	13.4	11.7	12.2	71	67	85	74	8.5	423.0	2.29
8	13.6	17.7	14.8	15.4	71	81	95	82	8.6	206.0	
9	13.9	17.6	16.2	15.9	71	83	88	81	9.1	399.0	
10	17.5	21.3	18.3	19.0	85	85	99	90	9.6	340.0	
11	17.0	16.4	12.7	15.4	83	79	76	79	5.3	414.0	
12	12.8	13.1	11.4	12.4	97	93	93	94	4.7	608.0	22.10
13	11.5	14.0	12.1	12.5	83	99	81	88	3.8	628.0	24.89
14	13.6	15.5	14.8	14.6	72	71	100	81	7.0	393.0	7.62
15	13.5	13.1	14.4	13.7	95	71	92	86	2.7	435.0	13.47
16	13.3	16.0	13.8	14.4	70	77	86	78	7.1	237.0	
17	14.7	16.7	15.2	15.5	74	74	92	80	10.5	195.0	
18	16.3	16.8	12.5	15.2	92	92	76	87	5.3	460.0	0.76
19	12.7	13.7	12.8	13.1	72	100	93	88	5.4	1448.0	5.59
20	13.4	14.9	13.0	13.8	87	81	88	85	7.8	463.0	10.16
21	14.8	18.6	14.9	16.1	73	79	94	82	8.2	348.0	0.25
22	15.8	17.9	15.4	16.4	81	79	94	85	9.9	249.0	
23	17.6	19.9	17.5	18.3	83	81	99	88	10.1	209.0	
24	19.5	20.3	18.9	19.6	89	89	99	92	11.8	174.0	
25	19.2	20.0	18.0	19.1	83	86	91	87	12.0	154.0	
26	18.9	22.0	18.3	19.7	86	84	99	90	12.2	113.0	
27	19.6	23.2	20.3	21.0	87	89	99	92	9.4	518.0	
28	20.7	22.5	19.5	20.9	87	90	99	92	7.3	360.0	
29	18.3	23.2	20.0	20.5	84	86	99	90	4.1	378.0	
30	19.8	21.3	20.8	20.6	90	84	98	91	5.2	307.0	
31											
	15.14	17.05	14.88	15.69	81.6	81.6	90.2	84.5	7.29	399.13	4.41

Height of Barometer above sea level: 33.7 meters.

,, ,, Thermometers above ground:

Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8.30	14:30	20:30	Mean	8:30	14:30	20:30		
1	7cu	10cu	10cu	9.0	2sw	2sw	1nw	slight	
2	8cu-ni	8cu	4cu	6.7	3sw	3sw	1sw	„	
3	6cu	3cu-ci	6cu-ni	5.0	2sw	2sw	2sw	„	
4	3cu	2cu	4cu	3.0	1s	1ne	1n	light	
5	9cu	5cu-ci	10cu-ni	8.0	2sw	2sw	3sw	slight	Tr., a.m; p.m.
6	10cu-ni	3cu	9cu-ni	7.3	4w	1sw	1sw	slight	
7	5cu	6cu	2cu	4.3	2sw	3sw	0	light	Tr., p.m
8	1ci	2cu	0	1.0	1sw	3sw	0	„	
9	0	0	0	0.0	0	3n	4ne	„	
10	0	0	0	0.0	2sw	2sw	0	„	
11	0	9cu-ci	9cu	6.0	2sw	2sw	2sw	slight	
12	4cu	10cu-ni	9cu	7.7	3s	3sw	2sw	„	T. ; hail, p.m.
13	8cu	10cu-ni	9cu	9.0	4sw	3sw	1sw	mod.	T. , a.m.
14	4cu-ci	9ci-st	10ni	7.7	2sw	3sw	1sw	slight	T. , a.m.
15	10cu-ni	8cu-ci	10cu	9.3	1se	2sw	4sw	„	
16	7cu-ci	8ci-st	5ci	6.7	2sw	2sw	0	slight	T. , a.m.
17	5ci	0	1ci	2.0	2e	2n	0	light	
18	10cu-ni	10cu-ni	7cu	9.0	4ne	1s	2ne	slight	T. , a.m.
19	8cu	10ni	6cu	8.0	4sw	5sw	6sw	mod.	G. ; hail; T. , p.m.
20	3cu-ci	4cu-ci	5cu	4.0	4sw	3sw	2sw	„	
21	9cu	0	0	3.0	2sw	3sw	1sw	slight	
22	0	0	9cu-st	3.0	1w	2nw	1nw	light	
23	0	0	0	0.0	2ne	2ne	1ne	„	
24	0	1ci	7cu	2.7	2ne	1ne	2ne	slight	
25	3ci	0	9cu	4.0	1ne	2nw	1nw	light	
26	1ci	0	0	0.3	2sw	1w	1w	light	
27	0	4ci	5ci	3.0	1w	2n	1ne	„	D. , a.m.
28	8ci	2ci	0	3.3	2ne	3ne	1n	slight	
29	10cu	8st	7ci	1.7	3sw	2sw	0	light	
30	9st	10ci-st	7ci-st	8.7	0	2nw	0	calm	
31									
				4.78					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	5	1	1	2	16	3	0	2	30
14:30	3	4	0	0	1	18	1	3	0	30
20:30	2	5	0	0	0	12	1	3	7	30
Total	5	14	1	1	3	46	5	6	9	90

Number of days with rain 14, fog 0, thunderstorms 4, gale 1.

71 yr. av. number of days with rain during month 6.23